

FIG.1A

Sequence of cadherin 3 (GenBank accession number NP_001784)

SEQ ID NO:1

MGLPRGPLASLLLLQVCWLQCAASEPCRAVFREAETLEAGAEQEPGQALGK
VFMGCPGQEPALFSTDNDDEFTVRNGETVQERRSLKERNPLKIFPSKRILRRHKRD
WVVAPI SVPENCKGPFQRLNQLKSNKDRDTKIFYSITGPGADSPPEGVFAVEKE
TGWLLLNKPLDREEIAKYELFGHAVSENGASVEDPMNISIIIVTDQNDHKPKFTQD
TFRGSVLEGVLPGTSMQVTADEDDAIYTYNGVVAYSISHSQEPKDPHDLMFTI
HRSTGTISVISSGLDREKVPEYTLTIQATMDGDGSTTTAVAVVEILDANDNAPM
FDPQKYEAHVPENAVGHEVQRLTVTDLDA P NSPAWRATY LIMGGDDGDHFTITT
HPESNQGILTRKGLDFEAKNQHTLYVEVTNEAPFVLKLP T STATIVVHVEDVNE
APVFVPPSKVVEVQEGIPTGEPVCVYTAEDPDKENQKISYRI LRDPAGWLAMD PD
SGQVTAVGTL DREDEQFVRNNIYEVMLAMDNGSPPTTGTG T LLLTLIDVNDHG
PVPEPRQITICNQSPVRHVLNITDKDLSPHTSPFQAQLTDDSDIYWTAEVNEEGDT
VVLSLKKFLKQD TYDVHLSLSDHGNKEQLTVIRATVCDCHGHEVTCPGPWKGG
FILPVLGAVLALLFLLVLLVLLVRKKRKIKEP LLLPEDDTRDNV FYYGEEGGGEE
DQDYDITQLHRGLEARPEVLRNDVAPTIIPTPMYRPRPANPDEIGNFIIENL KAA
NTDPTAPPYDTLLVFDYEGSGSDAASLSLSTSSASDQDQDYDYLNEWGSRFKKL
ADMYGGGEDD

FIG.1B

Sequence of matrix metalloproteinase 14
(GenBank accession number NP_004986)

SEQ ID NO:2

MSPAPRPPRCLLPLLTGLTALASLGSAAQSSSFSEAWLQQYGYLPPGDLRTHTQ
RSPQSLAAIAAMQKFYGLQVTGKADADTMKAMRRPRCGVPDKFGAEIKANVR
RKRYAIQGLKWQHNEITFCIQNYTPKVGEYATYEAIKAFRVWESATPLRFREVP
YAYIREGHEKQADIMIFFAEGFHGDSTPFDGEGFLAHAYFPGPNIIGDTHFD
SAEPWTVRNE
DLNGNDIFLVAVHELGHALGLEHSSDPSAIMAPFYQWMDTENFVLP
DDRRGIQQLYGGESGFPTKMPPQPRTTSRPSVPDKPKNPTYGPNICDGNFDTVA
MLRGEMFVFKERWFRVRNNQVMDGYPMPIGQFWRGLPASINTAYERKDGKF
VFFKGDKHWFDEASLEPGYPKHIKELGRGLPTDKIDAALFWMPNGKTYFFRGN
KYRFRNEELRAVDSEYPKNIKVWEGIPESPRGSFMGSDEVFTYFYKGNKYWKFN
NQKLKVEPGYPKSALRDWMGCPSGGRPDEGTEETEVIIEVDEEGGAVSAAA
VVLVPLLLLLLVAVGLAVFFFRRHGTPRRLLYCQRLLDKV

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3/15

TO FIG. 1C-2

MRSPATGVPLPTPPPLLLLLLLLLPPPLGLDQVGPCRSGLSGRGRSSGACAPMG
WLCPSASNLWL YTSRCRDAGTELTGHLVPHHDGLRVWCPESEAH IPLPPAPEG
CPWSCRLGIGGHLSPQGLTLPEEHPCLKAPRLRCQSCKLAQAPGLRAGERSPE
ESLGRRKRNVNTAQFQPPSYQATVPENQPAGTPVASLRAIDPDEGEAGRLEYT
MDALFDSRSNQFFSLDPVTGAVTTAEELDRETKSTHVFRVTAQDHGMPRRSALA
TLTILVTDNDHDPVFEQQEYKESLRENLEVGVEVLTVRATDGDAPPNANILYRL
LEGSGSPSEVFEIDPRSGVIRTRGPVDRREEVESYQLTVEASDQGRDPGPRSTTAA
VFLSVEDDNDNAPQFSEKRYVVQVREDVTPGAPVLRVTASDRDKGSNAVHVHSI
MSGNARGQFYLDAQTGALDVVSPLDYETTKEYTLRVRAQDGGRPPLSNVSGLV
TVQVLDINDNAPIFVSTPFQATVLESVPLGYLVLVHVQAI DADAGDNARLEYRLAG
VGHDFPFTINNGTGWISVAAEELDREEVD FYSGVEARDHGTALTASASVSVTVL
DVNDNNPTFTQPEYTVRLNEDAAVGTSVVTVS AVDRDAH SVITYQITSGNTRNR
FSITSQSGGLVSLALPLDYKLERQYVLA VTA SDGTRQDTAQIVNVVTDANTHRP
VFQSSH YTVNVNEDRPAGTTVV LISATDEDTGENARITYFMEDSIPQFRIDADTG
AVTTQAEELD YEDQVSYTLA ITARDNGIPQKSDTTYLEILVNDVNDNAPQFLRDSY
QGSVYEDVPFTSVLQISATDRDSGLNGRVFYTFQGGDDGDGFIVESTSGIVRT
LRRLDRENVAQYVLRAYAVDKGMPPARTPMEVTVTVL DVNDNPPVFEQDEFDV

FIG. 1C-2

TO FIG. 1C-3

FROM FIG. 1C-2

FIG. 1C-3

HYRPPGSP TCLLCDYPTGSLSRVCDPEDGQCCKPGVIGRQCDCRDNPF AEVTT
NGCEVNYDSCPRAIEAGIWWPRTRFGLPAAAPCKGSGFTAVRHCDEHRGWLPP
NLFNCTSI TFSELKGFAERLQRNESGLDSGRSQQLALLRNATQHTAGYFGSDVK
VAYQLATRLLAHESTQRCGLSATQDVHFTENLLRVGSALLDTANKRHWELIQQ
TEGGTAWLLQHYEAYASALAQNMRHTYLSFFTIVTPNIVISVVRLDKGNFAGAK
LPRYEALRGEQPPDLETTVILPESVFRETTPVVRPAGPGEAQEPEELARRQRHPE
LSQGEAVASV I IYRTLAGLLPHNYDPDKRSLRVPKRPIINTPVVSI SVHDDDEELLPR
ALDKPVTVQFRLLLETEERTKPI CVFWNHSILVSGTGGWSARGCEVVFERNESHVSC
QCNHMTSFAVLMDVSRRENGEILPLKTLTYVALGVTLAALLTFFFLTLLRILRS
NQHGIRRNLTAAALGLAQLVFLLLGINQADLPFACTVIAILLHFLYLCTFSWALLEAL
HLYRALTEVRDVNTGPMRFYYMLGWGVPAFITGLAVGLDPEGYGNPDFCWLSI
YDTLIWSFAGPVAFVSM SVFLYILAARASCAAQRQGEKKGPVSGLQPSFAVLL
LLSATWLLALLSVNSDTLLFHLYLFATCNCIQGPFIFLSYVVL SKEVRKALKLACSR
KPSPDPALTTKSTLTSSYNCPSPYADGRLYQPYGDSAGSLHSTSRSGKSQPSYIPF
LLREESALNPQGPPGLGDPGSLFLEGDQDQHDPTDSDSDLSLEDDQSGSYAST
HSSDSEEEEEEEFAAFPEGEQGWDSLLGPGAERLPLHSTPKDGGPGPGKAPWPG
DFGTTAKESNGGAPEERLRENGDALSRGSLGPLPGSSAQPHKGILKKCLPTIS
EKSSLLRPLEQCTGSSRGSSASEGSRGGPPRPPRQSLQEQLNGVMPIAMSIKA
GTVDEDSGSEFLFFNFLH

FIG. 1D

6/15

Peptides for antibodies that bind to cadherin3
(GenBank accession number NP_001784):

RAVFREA EVTLEAGGAEQE (SEQ ID NO:4)

QEPALFSTDNDDFTVRN (SEQ ID NO:5)

QKYEAHV PENAVGHE (SEQ ID NO:6)

Peptides for antibodies that bind to matrix metalloproteinase 14
(GenBank accession number NP_004986):

AYIREGHEKQADIMIFFAE (SEQ ID NO:7)

DEASLEPGYPKHIKELGR (SEQ ID NO:8)

RGSFMGSDEVFTYFYK (SEQ ID NO:9)

Peptides for antibodies that bind to anti-cadherin EGF LAG seven-pass
G-type receptor 2 (GenBank accession number NP_001399):

QASSLRLEPGRANDGDWH (SEQ ID NO:10)

ELKGFAERLQRNESGLDSGR (SEQ ID NO:11)

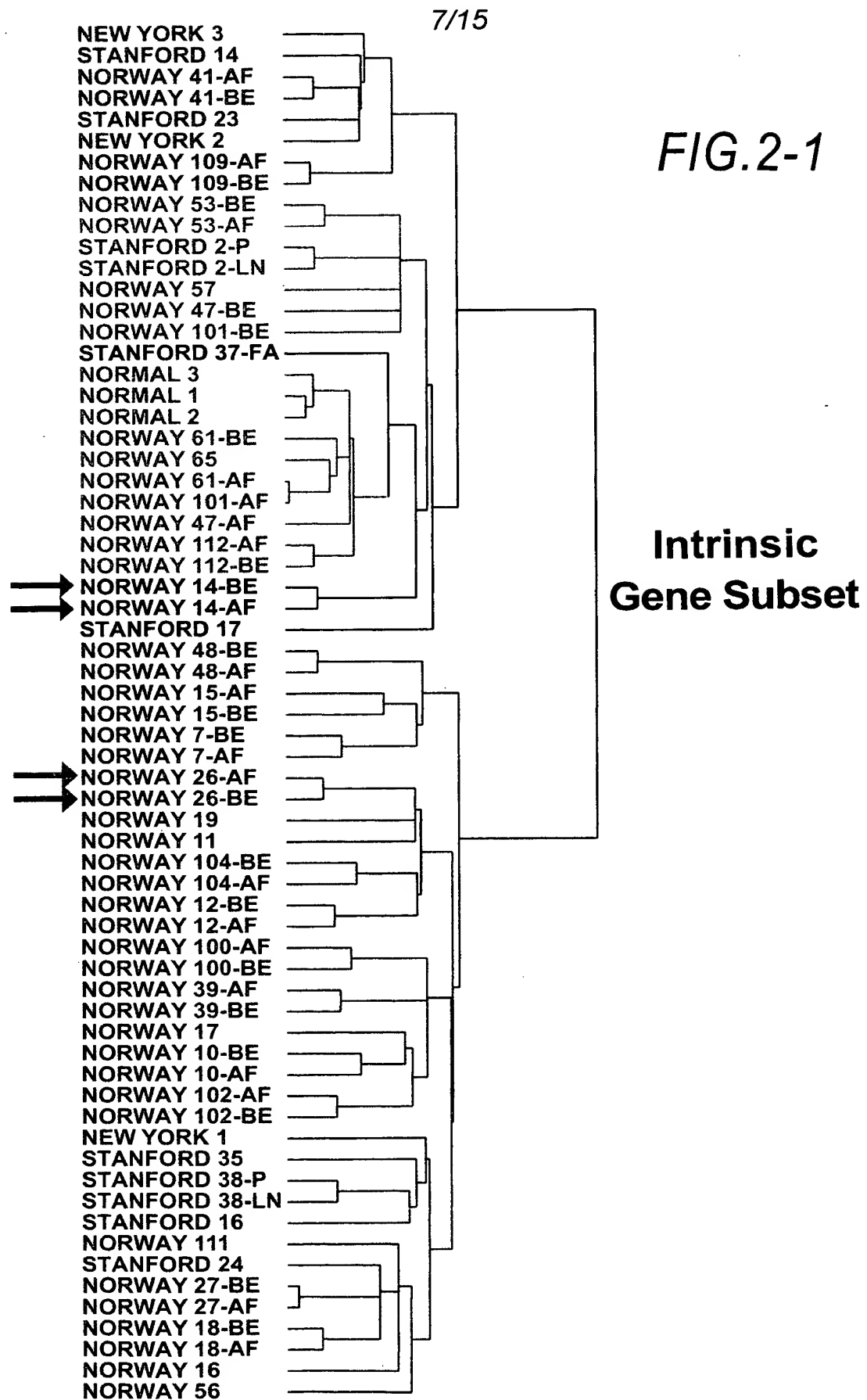
RSGKSQPSYIPFLLREE (SEQ ID NO:12)

Peptides for antibodies that bind to anti-cytokeratin 17:

KKEPVTTRQVRTIVEE (SEQ ID NO:13)

QDGKVISSREQVHQTTTR (SEQ ID NO:14)

SSSIKGSSGLGGGSS (SEQ ID NO:15)



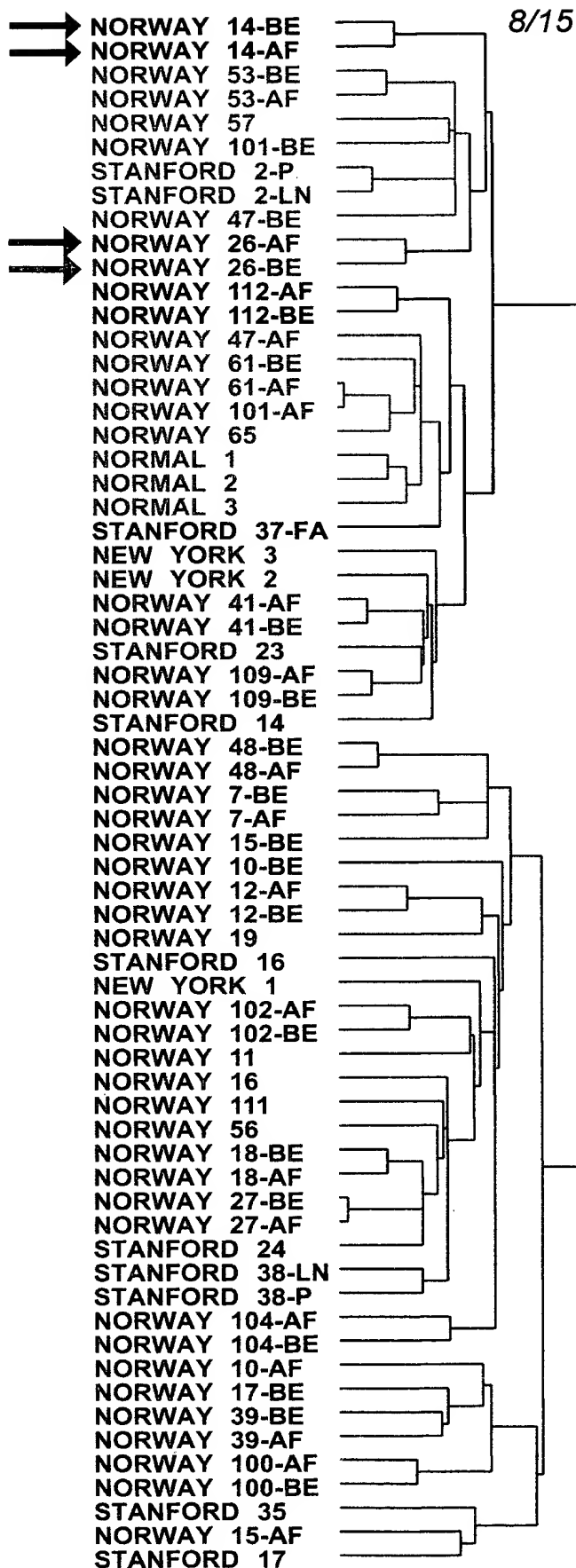


FIG.2-2

**Epithelial-Enriched
Gene Subset**

9/15

FIG.3A



FIG.3B

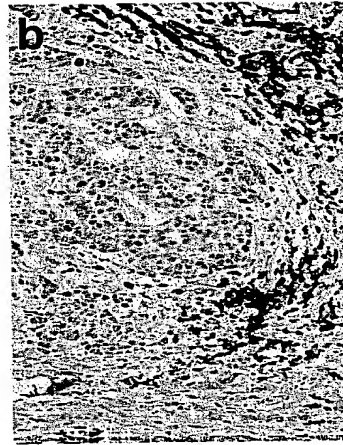


FIG.3C



FIG.3D

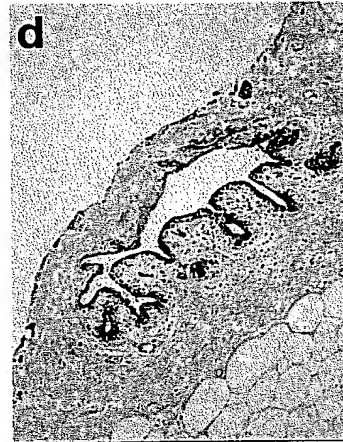
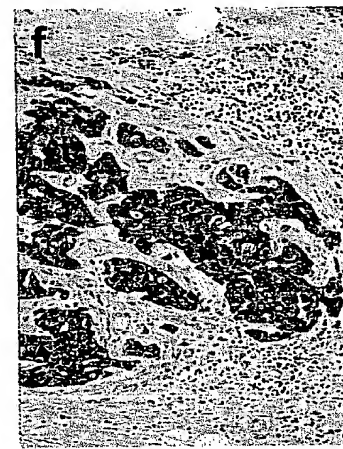


FIG.3E

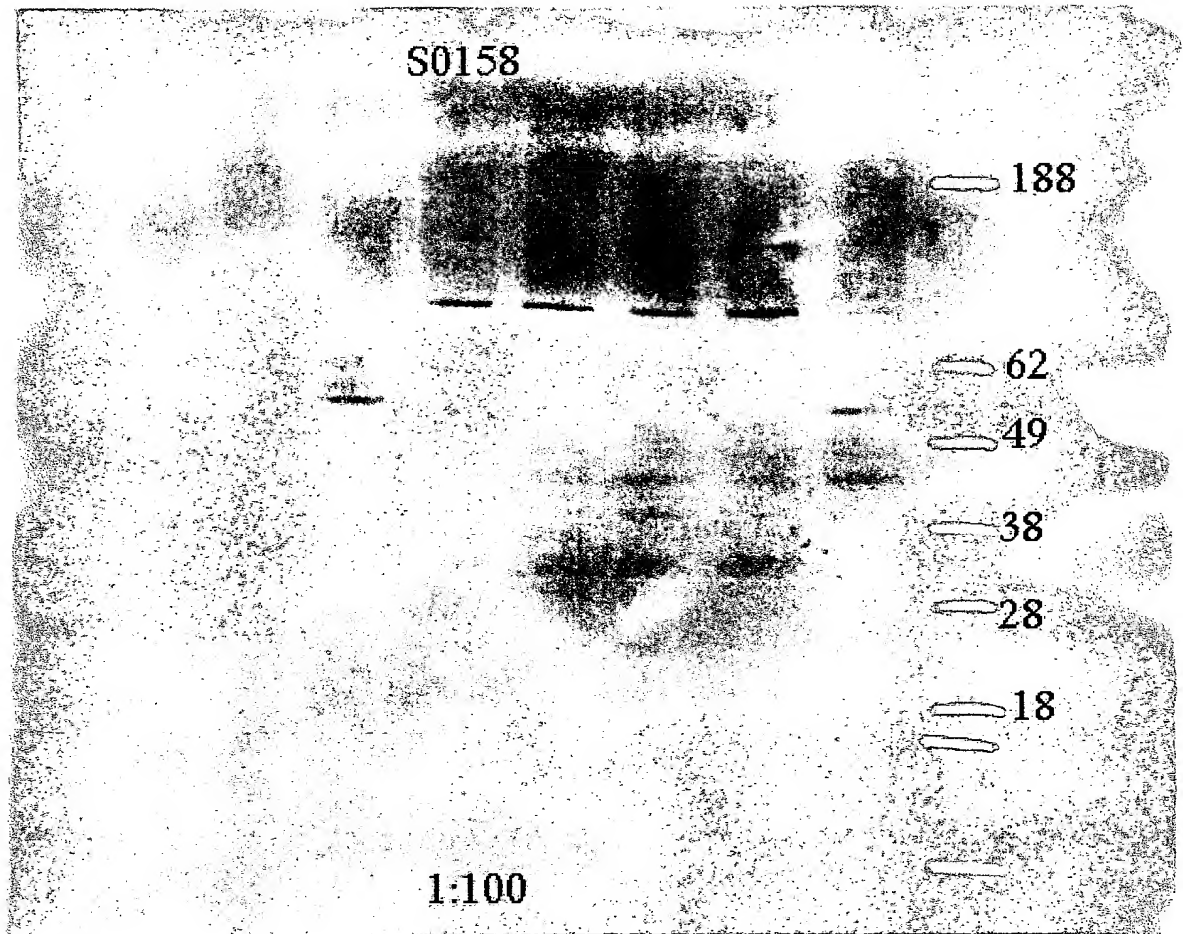


FIG.3F



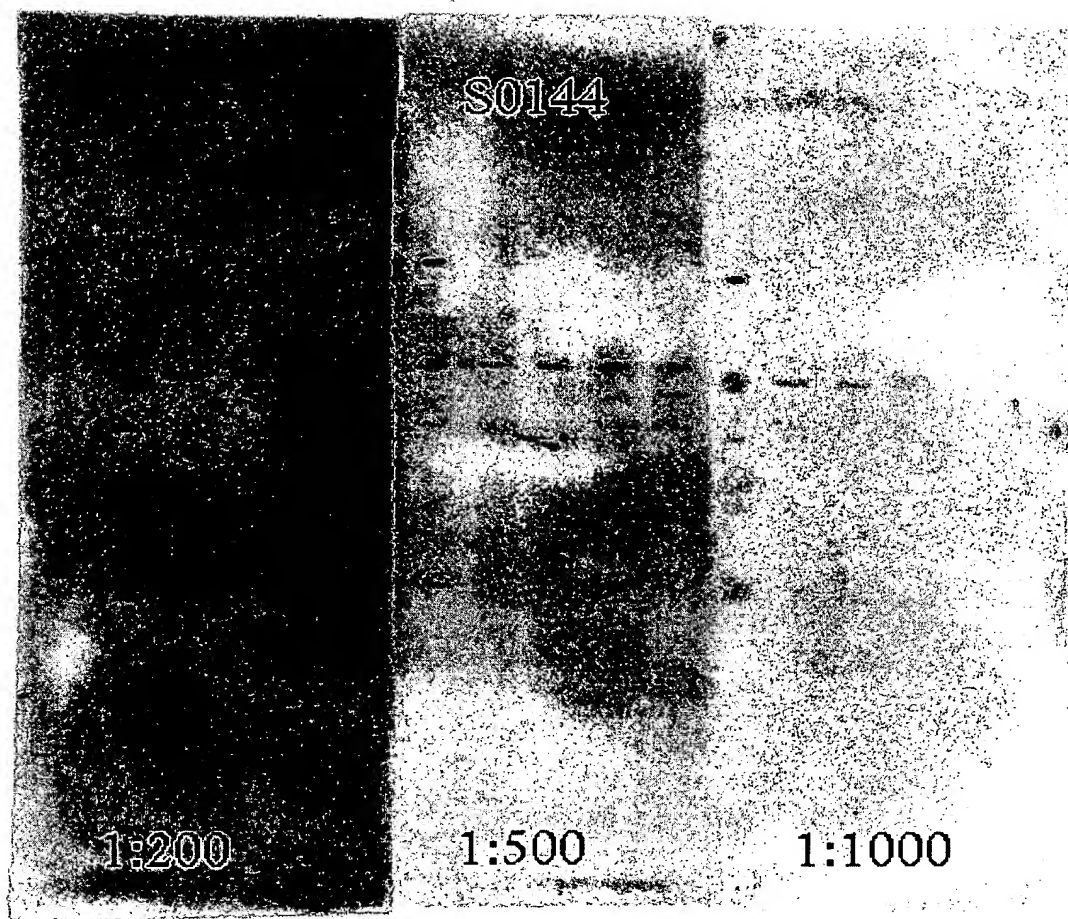
10/15

FIG.4A



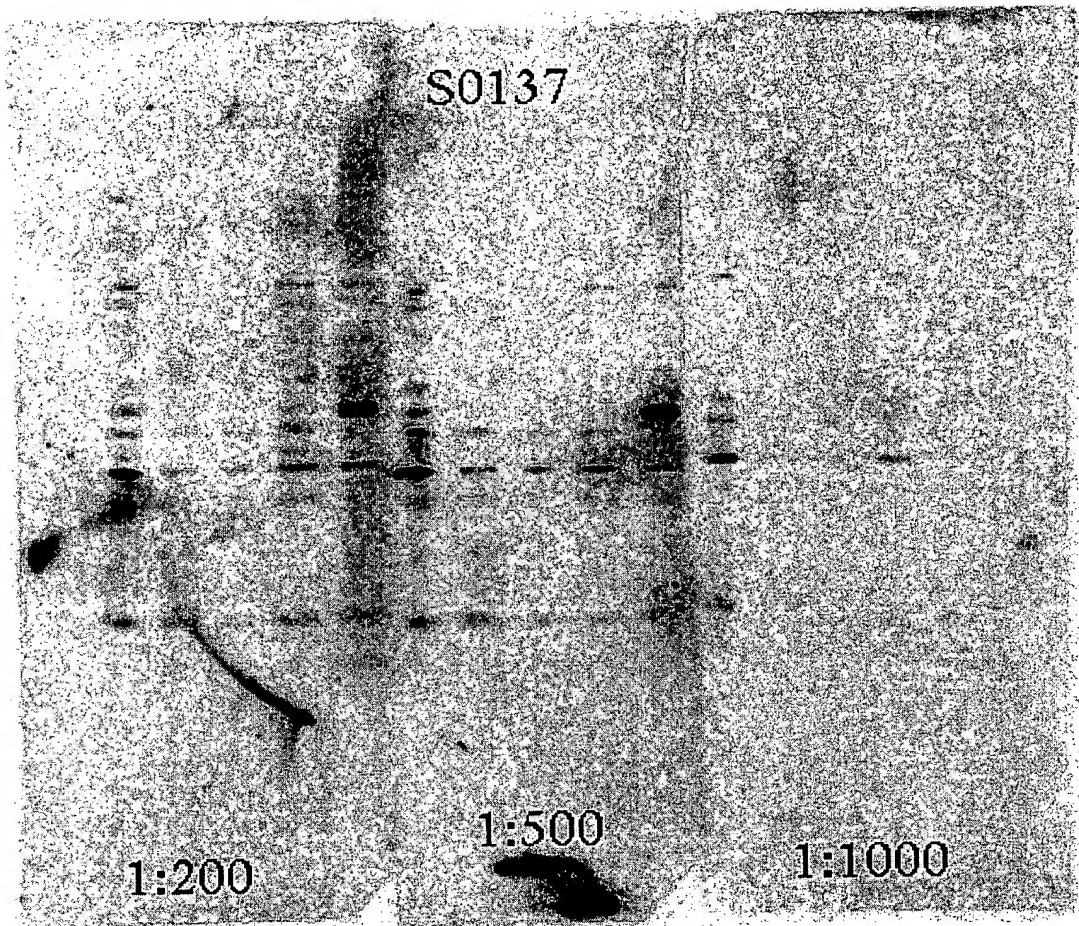
11/15

FIG.4B



12/15

FIG.4C



13/15

FIG.5A

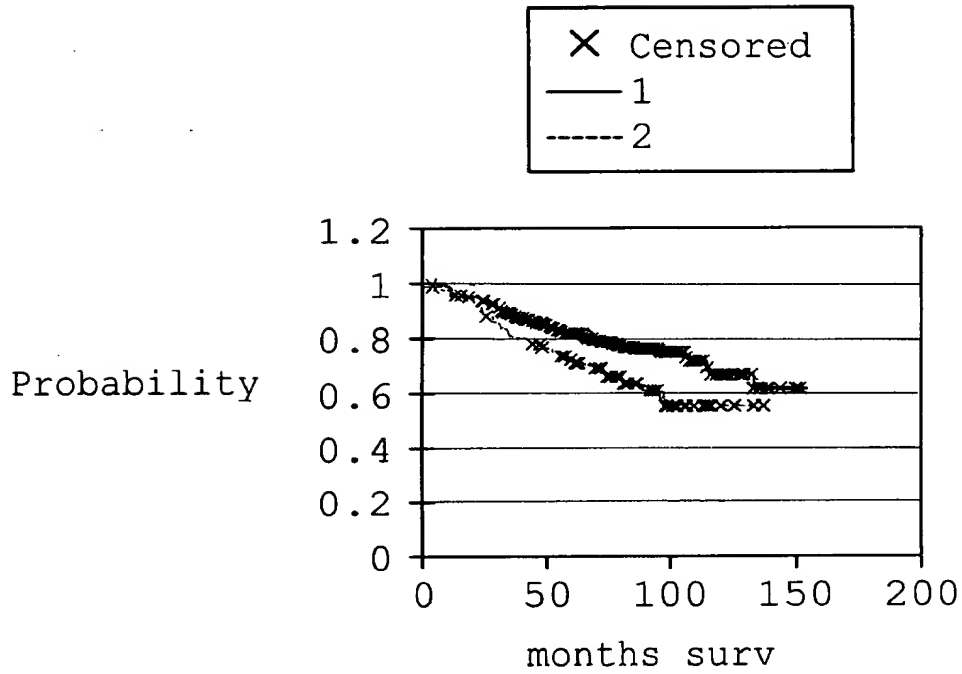


FIG.5B

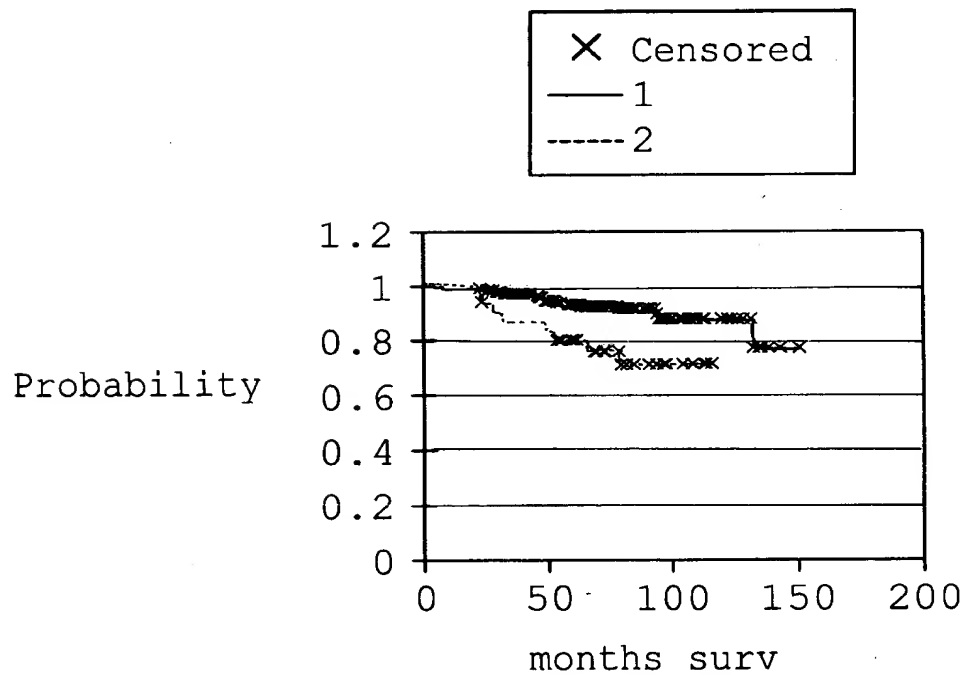


FIG.6B s0158



FIG.6A ck5/6

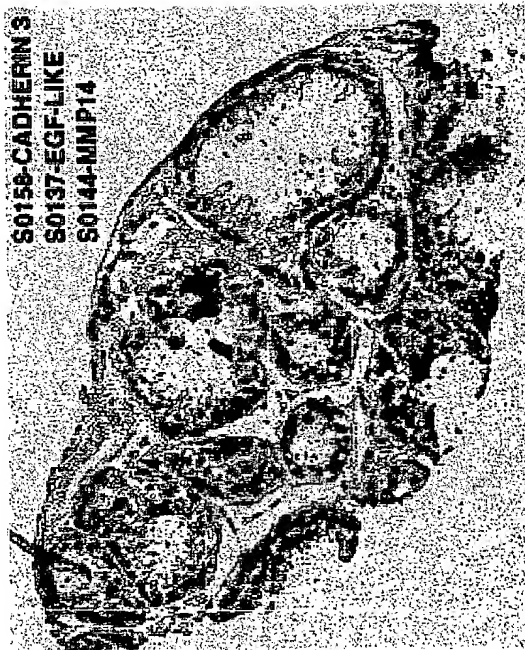


FIG.6D s0144

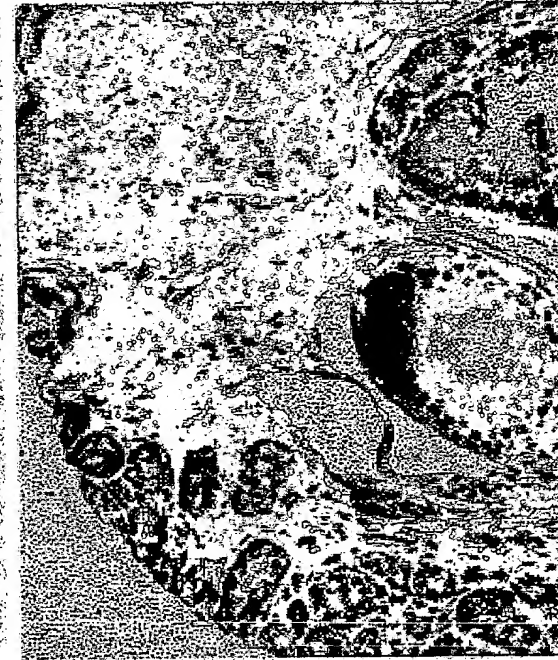


FIG.6C s0137

FIG.7B S0137



FIG.7A CK5/6

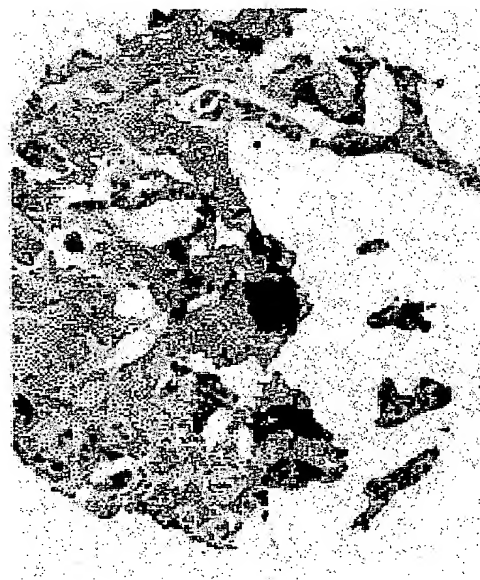


FIG.7C S0158